

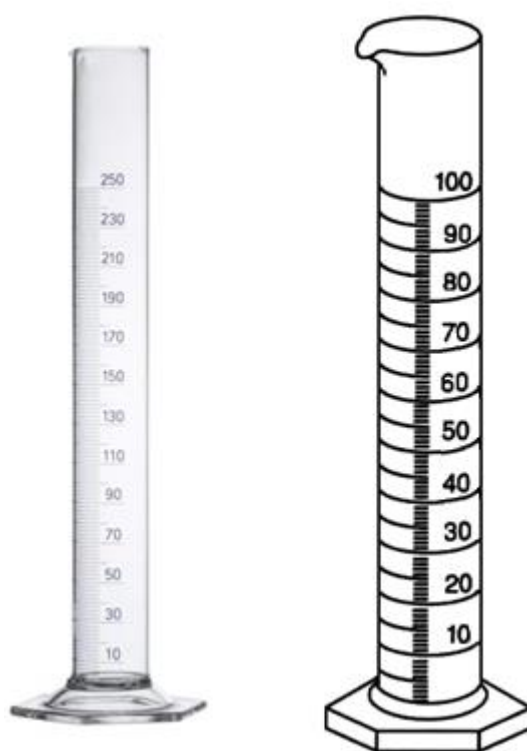
Science Tools

Notes

Learning Objective: In writing, SWBAT identify various science tools and explain the use of each, using academic language, in order to understand how scientists gather data.

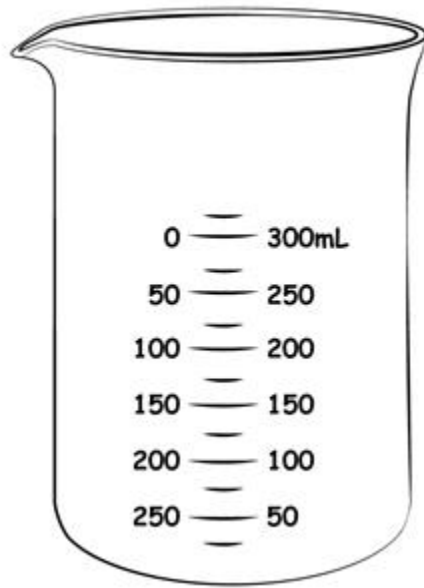
Graduated cylinder

a long cylinder with lines and numbers that measures volume



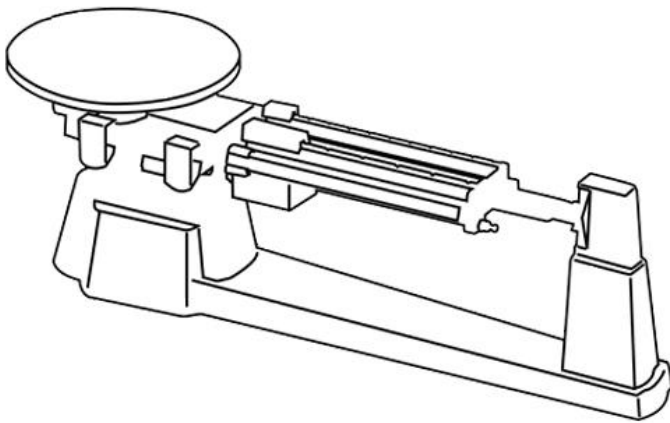
Beaker

a cup or glass that measures volume



Balance

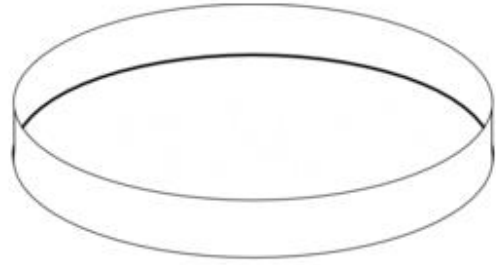
a tool used to measure mass



Petri dish

a shallow, circular dish that holds things scientists are testing

It can also be used to grow tiny organisms



Test tube

a small, tube-shaped container
made of glass

It is used to hold, mix or heat
materials

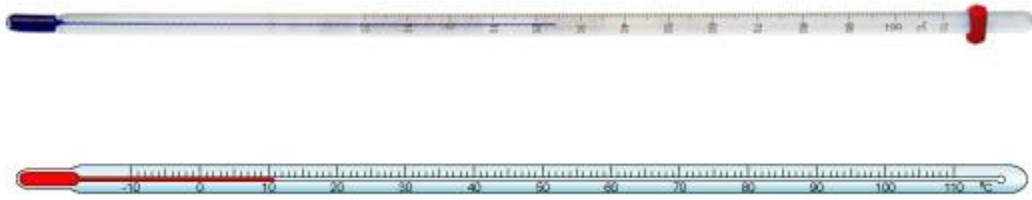


Computers

store and process information

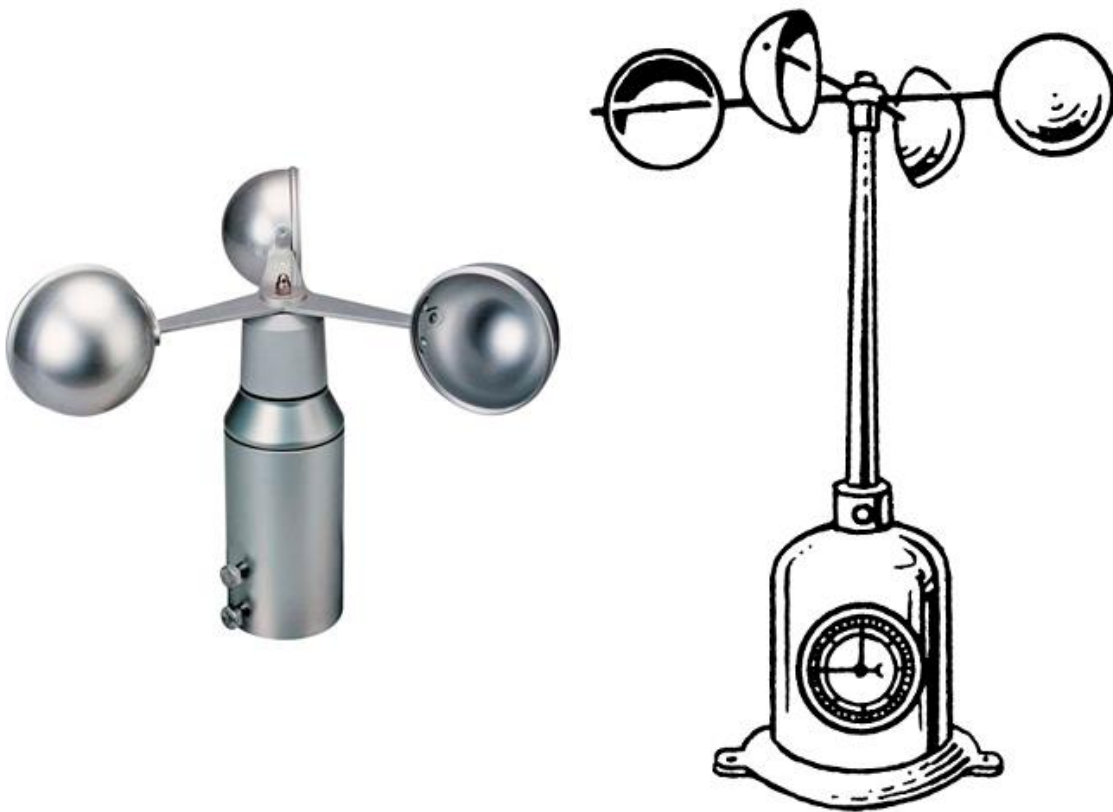
Thermometer

a tool that measures temperature



Anemometer

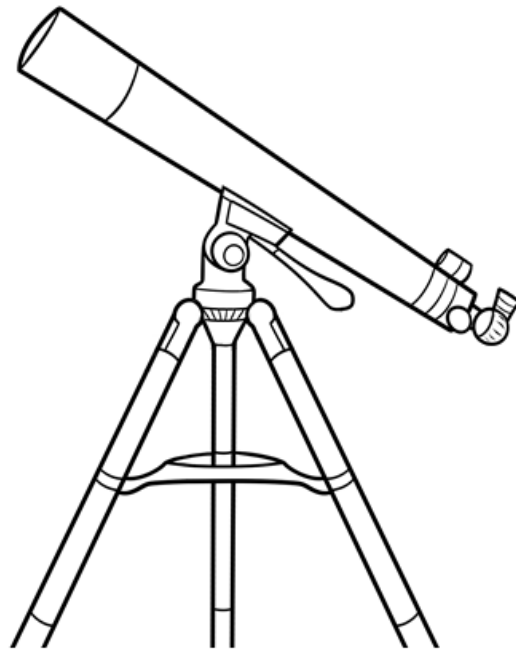
a tool that measures wind speed



Telescope

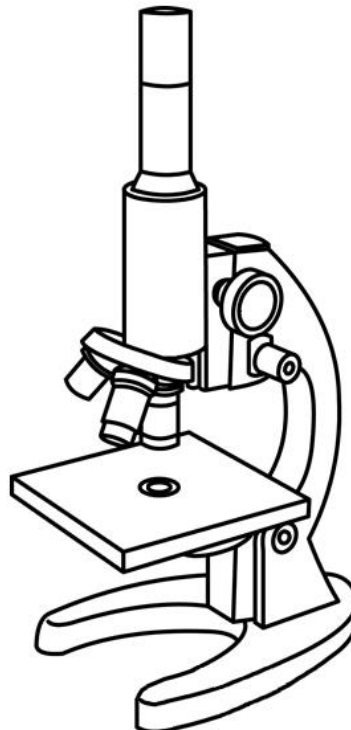
an instrument used to study objects in space

It makes objects that are far away look closer and larger



Microscope

a tool that makes small objects look larger



Science Tools

Check Your Understanding

Page 7

1. What tools can scientists use to measure things?

Scientists can use _____ , _____ , _____ , and _____ to measure things.

2. Which tool do scientists use to study the stars?

Scientists use a _____ to study the stars.

3. What are some tools that scientists use?

Some tools that scientists use are _____ , _____ , _____ , and _____ .

4. Which of these tools might scientists use outside the lab?

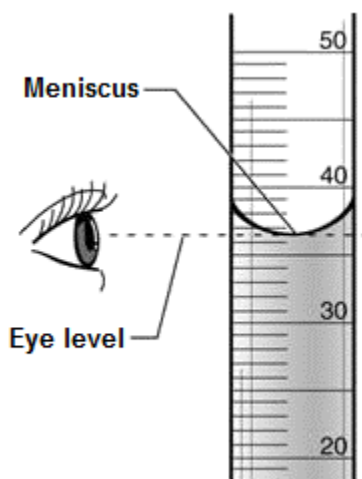
Scientists might use _____ , _____ , _____ , and _____ outside the lab.

Volume

the amount of space an object takes up

Meniscus

a curved line made by water in a container



Science Tools

Science Skill

Page 8

1. What is the volume of the water in the cylinder on the left?

The volume of water in the cylinder on the left is _____ .

2. What is the volume of the water plus the rock in the cylinder on the right?

The volume of the water plus the rock in the cylinder on the right is _____ .

3. What is the volume of the rock?

The volume of the rock is _____ .

Satellite

an object that circles the Earth and collects information

It can measure weather conditions such as air temperature and winds

Satellites are also part of communication systems

